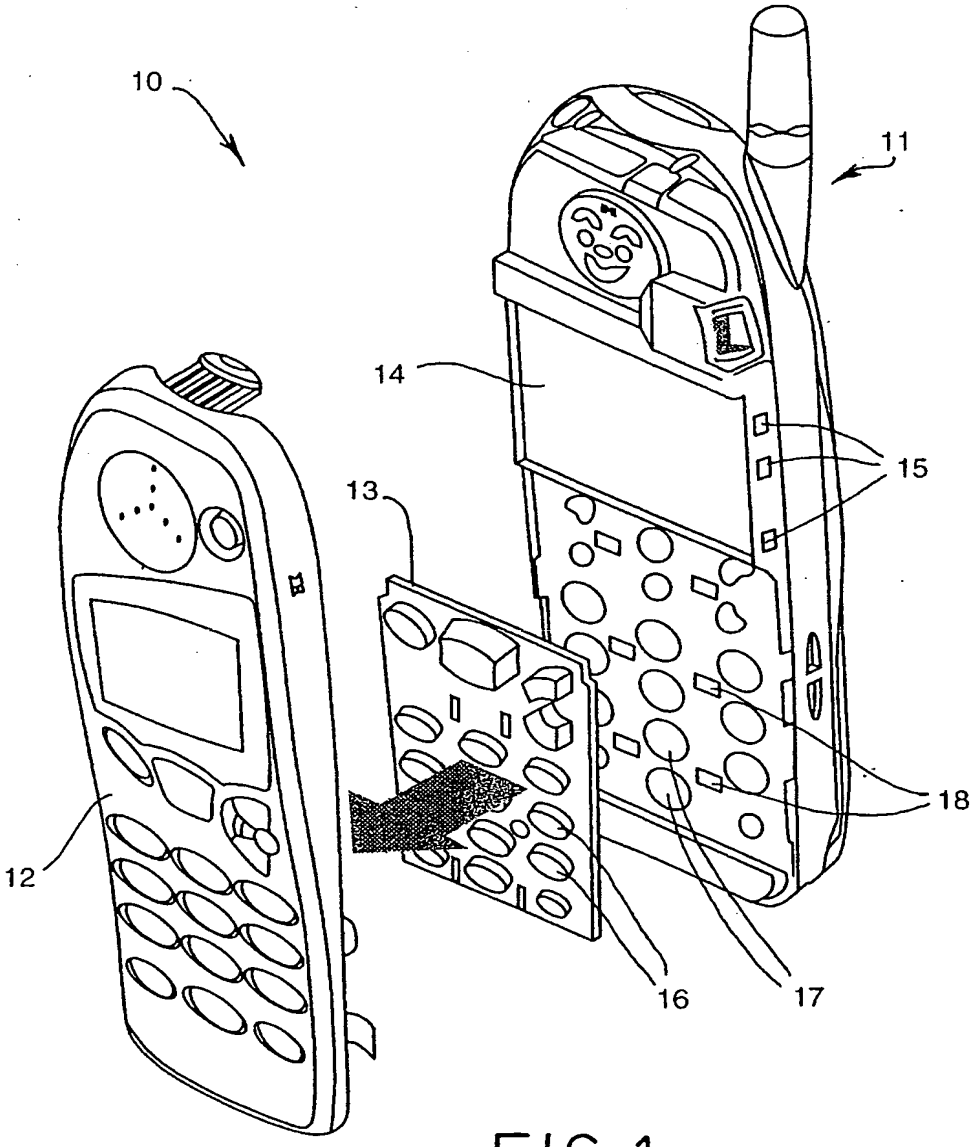


FIG. 1.

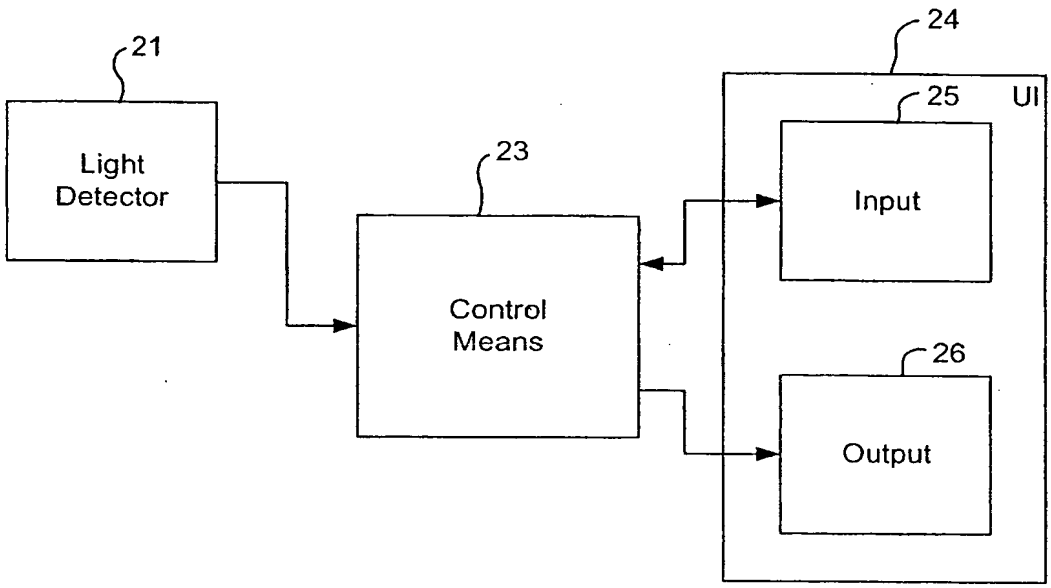


FIG. 2.

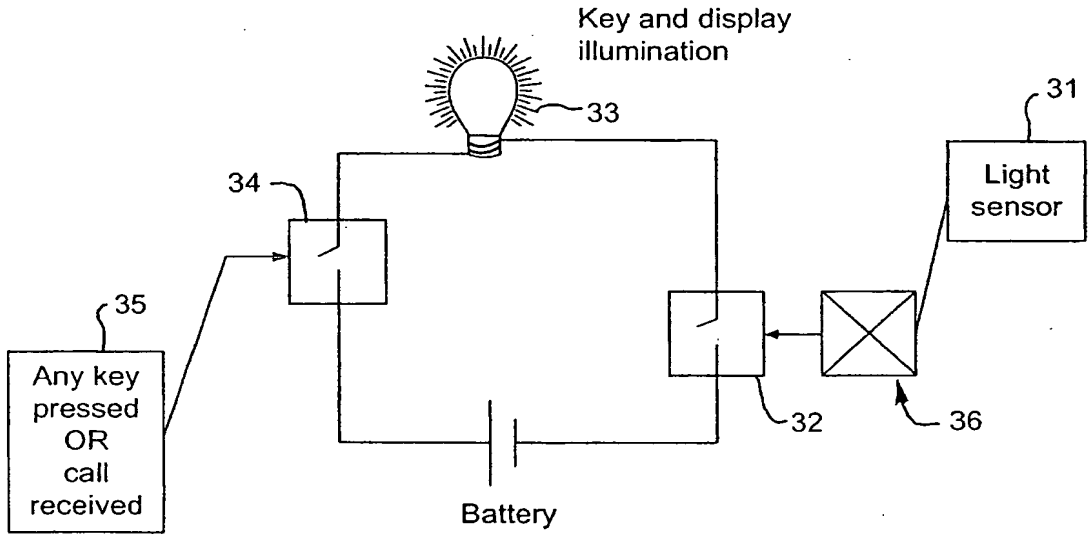

Key and display illumination
33
31
Light sensor
34
35
Any key pressed OR call received
32
36
Battery

FIG. 3.

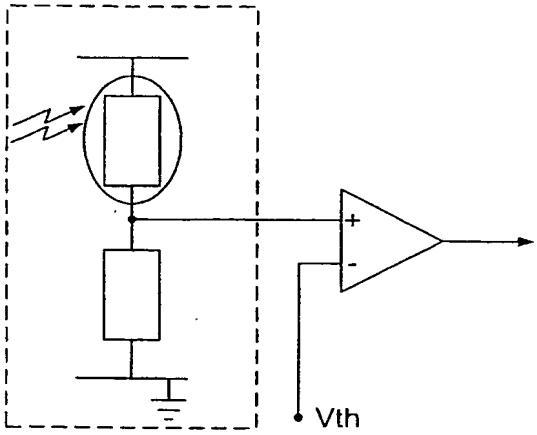
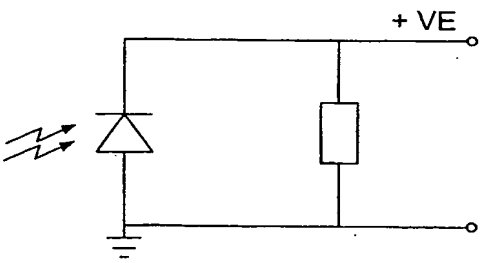
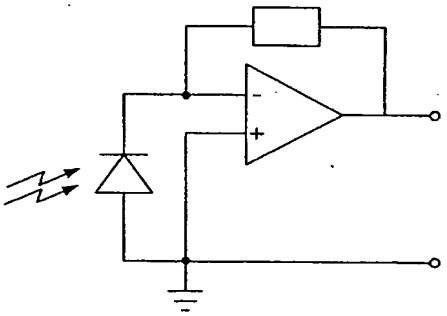


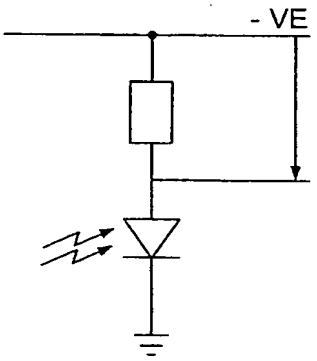
FIG.4.

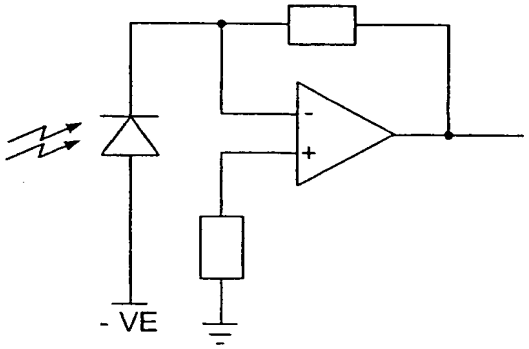
(a)





(b)





(c)

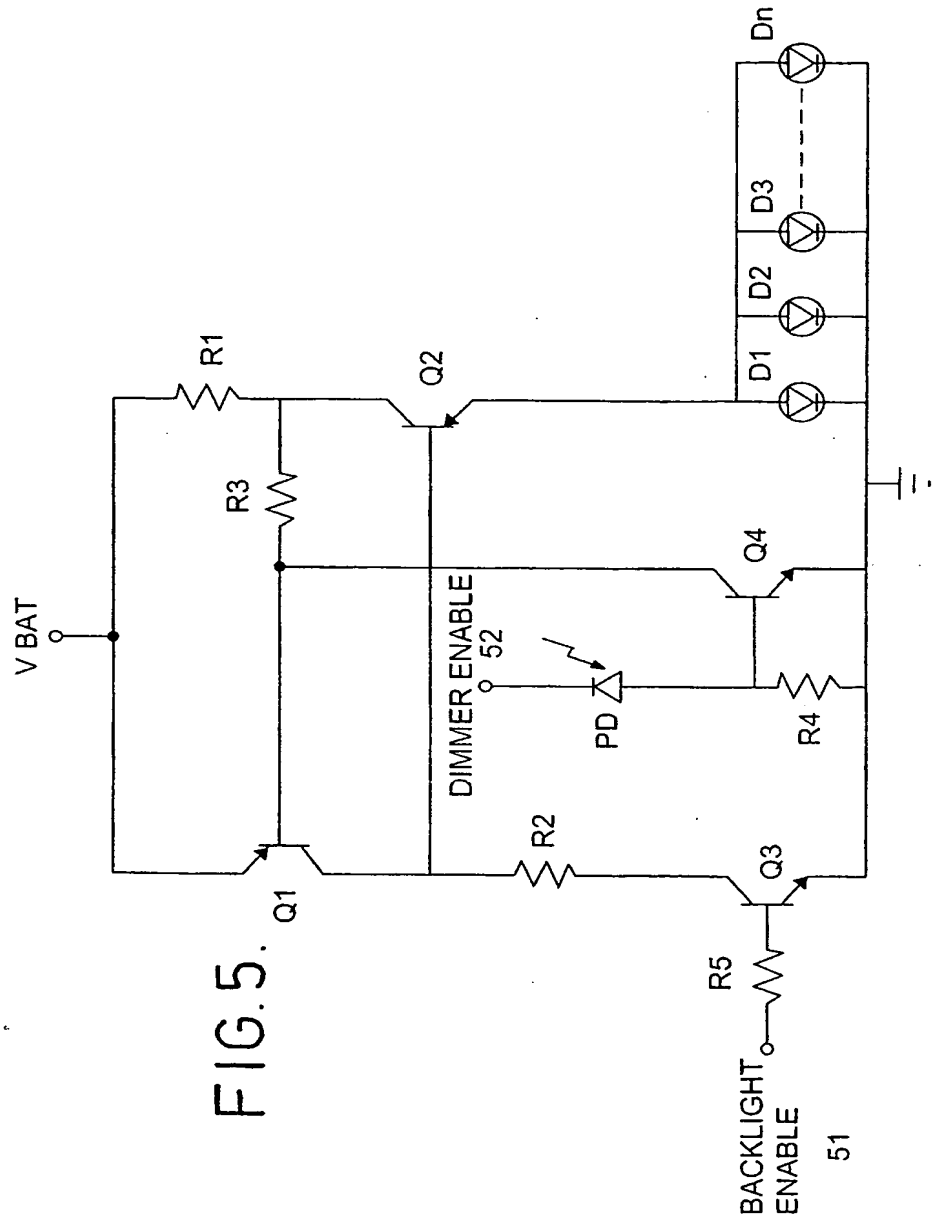

Dn
D3
D2
D1
R1
Q2
R3
Q4
V BAT
DIMMER ENABLE
52
PD
R4
R2
Q3
Q1
R5
BACKLIGHT
ENABLE
51

FIG. 5.

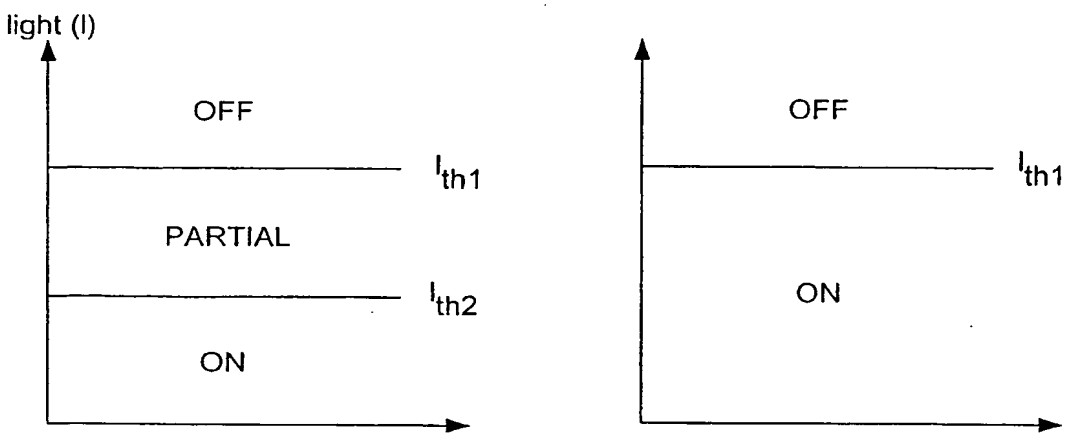

light (I)
OFF
I_{th1}
PARTIAL
I_{th2}
ON
OFF
I_{th1}
ON

FIG. 6(a).

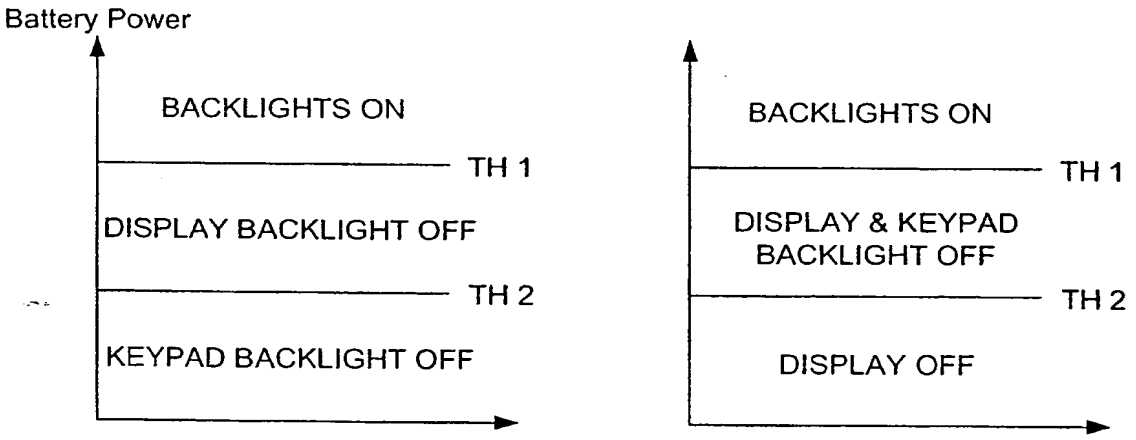

Battery Power
BACKLIGHTS ON
TH 1
DISPLAY BACKLIGHT OFF
TH 2
KEYPAD BACKLIGHT OFF
BACKLIGHTS ON
TH 1
DISPLAY & KEYPAD BACKLIGHT OFF
TH 2
DISPLAY OFF

FIG. 6(b).

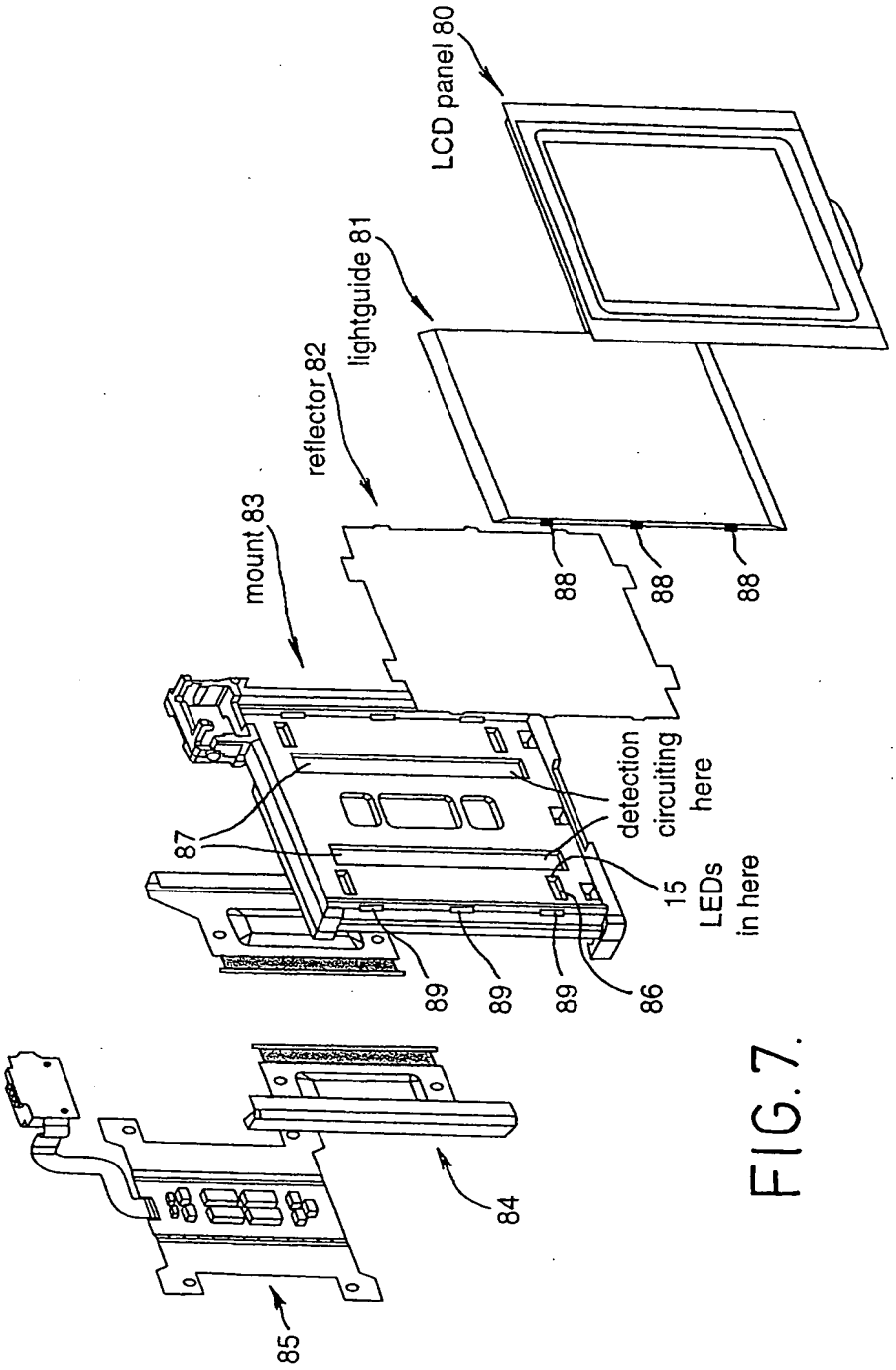

LCD panel 80
lightguide 81
reflector 82
mount 83
88
88
88
87
detection circuiting here
15 LEDs in here
89
89
89
86
84
85

FIG. 7.

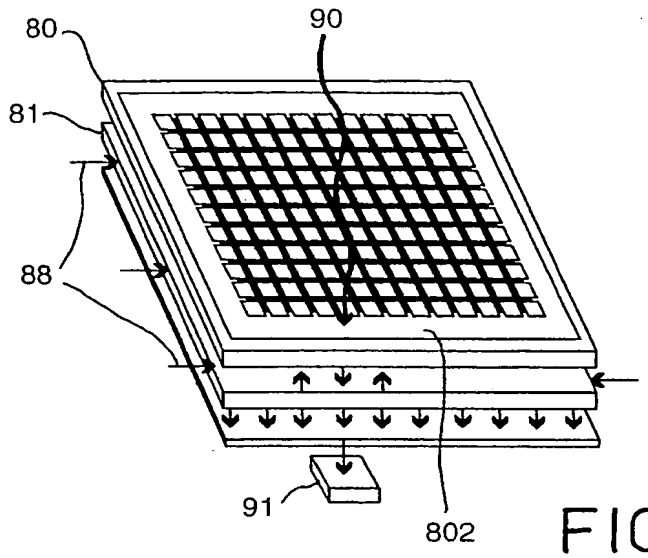

80
90
81
88
91
802

FIG.8.

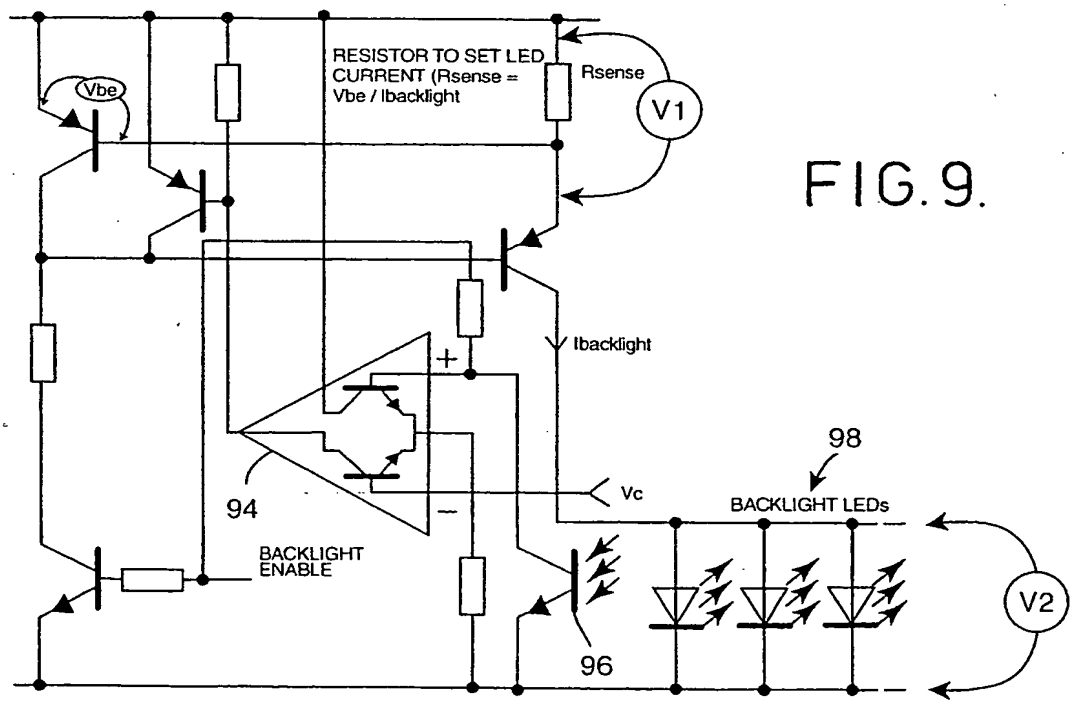
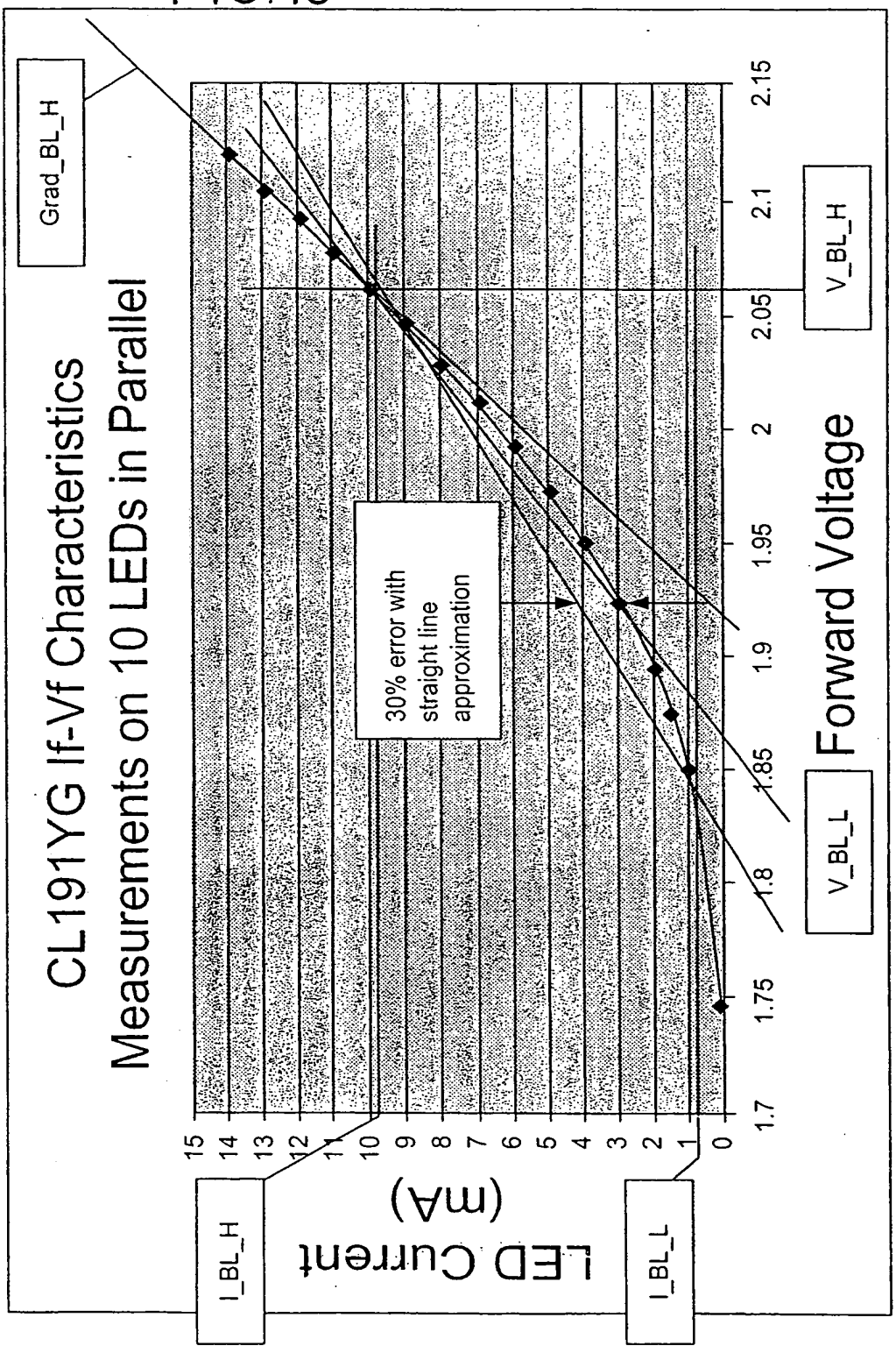

RESISTOR TO SET LED CURRENT (Rsense = Vbe / Ibacklight
Rsense
V1
Vbe
Ibacklight
98
BACKLIGHT LEDs
Vc
94
BACKLIGHT ENABLE
96
V2

FIG.9.

FIG.10 9 / 10



EP 0869534 A1 "09869534"

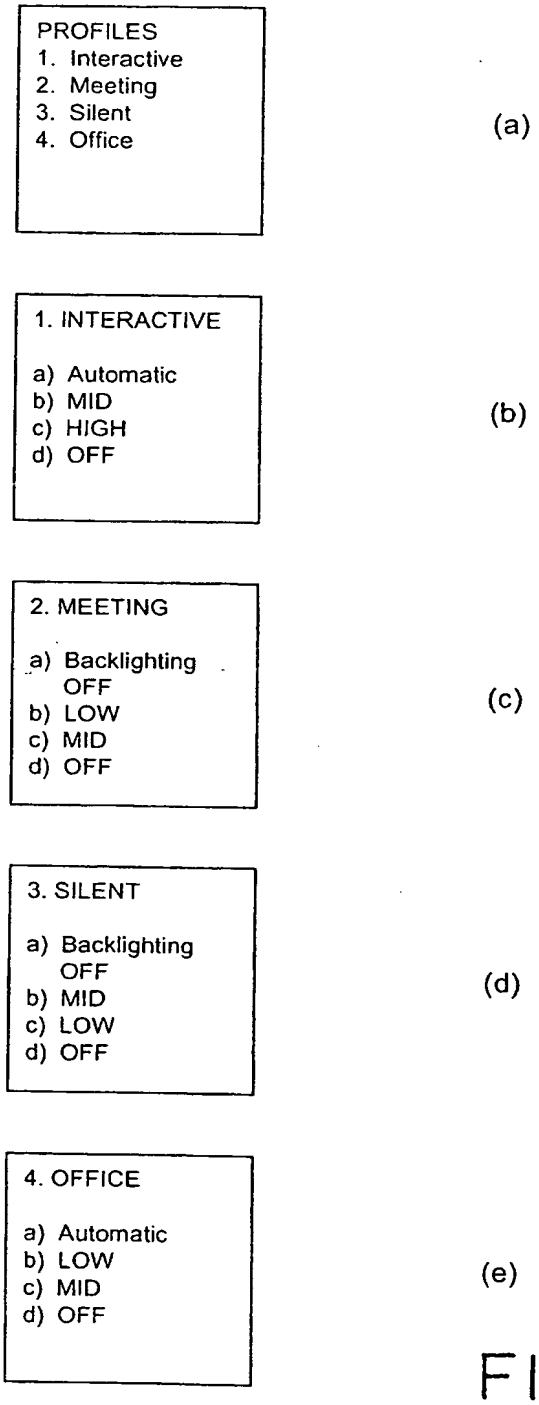

PROFILES
1. Interactive
2. Meeting
3. Silent
4. Office
(a)
1. INTERACTIVE
a) Automatic
b) MID
c) HIGH
d) OFF
(b)
2. MEETING
a) Backlighting OFF
b) LOW
c) MID
d) OFF
(c)
3. SILENT
a) Backlighting OFF
b) MID
c) LOW
d) OFF
(d)
4. OFFICE
a) Automatic
b) LOW
c) MID
d) OFF
(e)

FIG. 11.